

L 8462-65

ACCESSION NR: AP4048385

ASSOCIATION: Moskovskiy energeticheskiy institut (Moscow Power Institute)

SUBMITTED: 26Oct63

ENCL: 00

SUB CODE: EC, DP

NO REF SOV: 016

OTHER: 006

JPRS

Card 2/2

L 19822-65 EEO-2/ENT(d)/EEC(k)-2/EEG-4/EED-2 Pg-4/PK-4/PL-4/PM-4/PO-4/PQ-4/
Pac-4 AFGC(b)/RAEM(1)/ESD(dp)/ESD(c)
ACCESSION NR: AP5001033 S/0115/64/000/011/0045/0049

AUTHOR: Syropyatova, R. Ya.; Kharchenko, R. R. B

TITLE: Measuring the dynamic characteristics of pulse-frequency and pulse-duration modulators

SOURCE: Izmeritel'naya tekhnika, no. 11, 1964, 45-49 b

TOPIC TAGS: PFM, PDM, pulse frequency modulation, pulse duration modulation gm

ABSTRACT: A method for measuring the dynamic characteristics of PFM and PDM converters (having linear modulation characteristics) is described with a view toward determining the dynamic errors involved. Known methods from various published sources are held to be not reliable or accurate enough. New methods of determining PD deviation are based on comparing the specially shaped pulses from a PD modulator with pulses from a delay unit by means of a electron

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ACCESSION NR: AP5001033

oscilloscope; or by comparing the PDM pulses with sawtooth-generator pulses on an oscilloscope screen when both apparatus are excited by clock pulses from a stable-frequency generator. Amplitude-frequency and phase-frequency characteristics can be measured by these methods. Modifications are mentioned. Orig. art. has: 6 figures and 17 formulas.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: EC

NO REF SOV: 003

OTHER: 003

Card 2/2

$$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x} \quad \text{and} \quad \frac{d}{dt} \left(\frac{\partial L}{\partial \dot{y}} \right) = \frac{\partial L}{\partial y}$$

Authors: Ameyshin, A. (Engineer, Colonel); Syrovatov, V. (Engineer, Colonel)

0-00: 2.0000

Theme: Deployment of assembly points for damaged armored vehicles /

SOURCE: Tekhnika i vooruzheniye, no. 5, 1966, 32-35

TOPIC TAGS: armed force installation, motor vehicle, armored vehicle

NOTES: The organization and deployment of assembly points in or near battle areas for repairing damaged units and various combat vehicles is discussed. In general, the field repair shops are to be located in well protected places with easy approaches, access roads and not far from water sources. It is not advisable to locate them in large populated places or close to road intersections. The probability of enemy actions including nuclear attacks must also be evaluated in selection of repair areas. The size of the area needed for the organization of assembly points depends upon the number of vehicles, repair shop equipment and facilities. It is estimated that an area of about 1 sq km would be needed for a well equipped and developed assembly point. In this connection, a table is presented where various recommended distances (between tanks, shops, etc.) and needed service areas (vehicle reception, parking, repair places, special shops, etc.) are indicated. Various security measures against surprise attacks and the organization of a

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L 09540-67

ACC NR: 126027920

Guard service and security patrols are reviewed including antiaircraft defense and anti-nuclear protection. An example of deployment of a protected assembly point for repairing military vehicles is presented on a drawing. The drawing shows the distribution of various repair services beginning from the decontamination of vehicles and ending with the parking area for repaired vehicles. The delivery of repaired vehicles to military units in escorted assembled groups is recommended. Orig. art. has: 1 figure, 1 table.

SUB CODE: 15, 19/ SUBM DATE: Mono

Cord

2/2/

L 24854-65 AEDC(a)/ASD(f)-3/AFETR/ESD(dp)/ESD(o)/ESD(gg)

ACCESSION NR: AP5001968

S/0119/64/000/012/0011/0015

AUTHOR: Syropyatova, R. Ya.

q
b

TITLE: Methods of measuring magnetic-recorder flutter

SOURCE: Priborostroyeniye, no. 12, 1964, 11-15

TOPIC TAGS: magnetic recorder, wow, flutter

ABSTRACT: The theory of wow and flutter is set forth, and known methods of flutter measurement are reviewed. These shortcomings of the methods are noted: they are either too complicated in practice or do not yield an output electrical signal usable for recording, analysis, or correction. A new method of flutter measurement is offered in which the effect of time modulation of the recorded signal is utilized. A pulse generator PG (see Enclosure 1) and a pulse-duration demodulator PDD are employed for obtaining a signal proportional to the flutter function. Pulses having a constant repetition frequency f_0 are recorded on

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ACCESSION NR: AP5001968

tape and simultaneously reproduced. PDD receives pulses from PG with a frequency f_0 and the reproduction pulses with a frequency $f_r = f_0 [1 + d_d(t)]$ and forms new pulses whose one edge is determined by PG pulses and the other edge, by reproduction pulses. After a low-pass filter and a C-R differentiator, the signal voltage will be $U_{out}^i = KSd_d(t)$, where S is the slope of the PDD characteristic, and $d_d(t)$ is the flutter. The latter can be easily examined in the course of investigating a tape-transport mechanism. Orig. art. has: 3 figures and 25 formulas.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 01

SUB CODE: IE, EC

NO REF SOV: 007

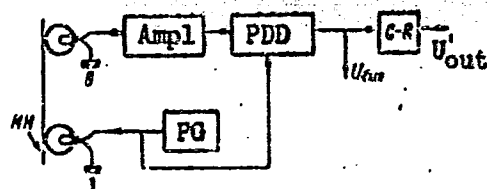
OTHER: 003

Card 2/3

L 24854-65

ACCESSION NR: AP5001968

ENCLOSURE: 01



A method for determining flutter
by a pulse duration demodulation

Card 3/3

SYROPYATOVA, R.Ya.

Signal spectra in the channel of magnetic recording of
measurement data. Izv. vys. ucheb. zav.; prib. 8 no.2:
14-19 '65. (MIRA 18:5)

1. Moskovskiy energeticheskiy institut. Rekomendovana kafedroy
elektroizmeritel'noy tekhniki.

L 44782-65 EEO-2/EWT(d)/EWT(1)/EEC(k)-2/EEC-4/EPR/EED-2/EWA(h) Pm-4/
Pn-4/Pac-4/PB-4/Peo/Pl-4 WW

ACCESSION NR: AP5011729

UR/0146/65/008/002/0014/0019

AUTHOR: Syropyatova, R. Ya.

TITLE: Signal spectra in a magnetic recording system for test information

SOURCE: IVUZ, Priborostroyeniye, v. 8, no. 2, 1965, 14-19

TOPIC TAGS: magnetic recording system, magnetic converter, pulse width modulation,
pulse frequency modulation, signal spectrum

ABSTRACT: Test and measurement data are generally recorded magnetically by means of various forms of pulse modulation. On the one hand, this type of recording reduces the frequency range of the processes recorded by several times and, on the other, makes possible a sharp increase in the accuracy with which the test signals are transmitted. In the present article, the author considers the conversions of the input signal in a magnetic recording system with pulse-frequency and pulse-width modulation, as well as the distortions associated with these transformations. Some recommendations are given regarding the selection of the type and parameters of the modulation for a given magnitude of nonlinear distortions. Unilateral pulse-width modulation is considered, when the position of one pulse edge is determined by a clock pulse, with the position of the other

Cord 1/3

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ACCESSION NR: AP5011729

edge changing as a function of the amplitude of the input signal. Attention is called to the existence of unilateral pulse-width modulation (UPWM) of the first and second order. In the case of first-order UPWM, pulse duration is determined by the value of the input signal at the moment of the appearance of the modulated edge of the pulse. With second-order UPWM, pulse duration is proportional to the value of the input signal at the moment corresponding to the transmission of the clock pulse. Modulators for both types of modulation are considered, and the structure of the frequency spectra of a pulse train with UPWM is analyzed. Also discussed is the signal spectrum in the case of pulse-frequency modulation, postulating, as before, ideal recording and reproduction systems. Here too, the author makes a distinction between pulse-frequency modulation of the first and second order: PFM-1 and PFM-2. In the first case, the position of the modulated pulse on the time axis corresponds to the magnitude of the input signal at the moment of the occurrence of this pulse; in the second case, the position of the pulse on the time axis is determined by the value of the signal at the moment corresponding to the position of the same pulse when modulation is absent. The frequency spectrum structure in PFM systems is analyzed with the same suppositions as were made in the case of UPWM; namely: 1. the input pulse is sinusoidal $u = U \sin \Omega t$; 2. the unmodulated pulse train consists of square-wave pulses of amplitude A and duration T . On the basis

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ACCESSION NR: AP5011729

of her analysis of spectral structure with pulse-width (PWM) and pulse-frequency modulation (PFM) of the first and second order, the author draws the following conclusions: 1. In a magnetic system for recording test information with PWM and PFM, converters which bring about a modulation only of the first order can be used. 2. The amplitude of the signal component in the PWM-1 spectrum is determined only by the depth (percentage) of modulation, that is, by the magnitude of the signal, and does not depend on the ratio of frequencies ω_0, Ω . The amplitude of the signal component in the PFM-1 spectrum depends, in addition, on the ratio of the frequencies ω_0, Ω , and its variation under working conditions can be estimated as a quantity on the order of 1-2%. From this point of view, a PWM system is more accurate than a PFM system. 3. The use of PWM-1 and PFM-1 converters makes it possible to employ low-pass filters in demodulation. Orig. art. has: 3 figures and 4 formulas.

ASSOCIATION: Moskovskiy energeticheskiy institut (Moscow Power Institute)

SUBMITTED: 30May64

ENCL: 00

SUB CODE: DP

NO REF SOV: 004

OTHER: 000

FILE
Card 3/3

L 41182-65 EWT(d)/EWP(c)/EWP(v)/T/EWP(k)/EWP(l) Pf-4
ACCESSION NR: AP5004677 S/0115/64/000/009/0058/0059

AUTHOR: none

TITLE: Fourth scientific and technical conference on "Cybernetics for the improvement of measurement and inspection methods"

SOURCE: Izmeritel'naya tekhnika, no. 9, 1964, 58-59

TOPIC TAGS: cybernetics, electric measurement, electric quantity instrument, digital computer, electronic equipment, electric engineering conference

ABSTRACT: The conference was held 1-4 July at the All-Union Scientific Research Institute of Metrology by the Section of Electrical Measurements of the Council on the Problem of "Scientific Instrument Making" of the State Committee on Coordination of Scientific Research Work in the USSR together with the All-Union Scientific Research Institute of Electrical Measurement Instruments and the Leningrad Regional Administration of the Scientific and Technical Division of the Instrument Making Industry. More than 400 delegates from 29 cities of the country participated. Fifty-seven reports were heard and discussed. Reports were given by: P. V. NOVITSKIY (Leningrad)--"Definition of the Concept of Informational Error in Measurement and its Importance in Practical Use" and "On the Problem of the Average Informational Criterion of Accuracy Throughout the Entire Scale of an Instrument"; Ya. A.

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L 41182-65

ACCESSION NR: AP5004677

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KUPERSHVIDT (Moscow)--"On Determination of the Criteria of Accuracy for Measurement Devices"; S. M. MANDEL'SHTAM (Leningrad)--report on a new criterion of accuracy of measurement instruments; P. F. PARSHIN (Leningrad)--report on optimization when using Fourier transforms on electronic digital computers; S. P. DMITRIYEV, G. Ya. DOLGINTSEVA and A. A. IGNATOV (Leningrad)--proposal of a new method for solving problems of optimum filtering for non-stationary random signals and interference; I. B. CHELPAKOV--"Calculation of the Dynamic Characteristics of an Optimum Complex Two-Channel System which Uses Signals from a Position Meter and from a Speed Meter"; R. A. POLUEKTOV (Leningrad)--"Optimum Periodic Correction in the Measurement of Continuous Signals"; S. P. ADAMOVICH (Moscow)--"Analysis and Construction of Devices for Correction of Non-linearity and Scaling for Unitary Codes; G. V. GORBLOVA (Taganrog)--"A Method for Statistical Optimization in Graduating the Scales of Electrical Measuring Instruments"; M. A. ZEMSL'MAN (Moscow)--"Analog-Digital Voltage Converter with Automatic Error Correction"; B. N. MALINOVSKIY, V. S. KALENCHUK and I. A. YANOVICH (Kiev)--"Automatic Monitoring of the Parameters of the Electrical Signals of Complex Radio and Electronic Equipment"; V. P. PEROV (Moscow)--"Operational Cybernetics as an Independent Scientific Specialization"; Ye. N. GIL'BO (Leningrad)--"On the Problem of Effective Non-linear Scales"; A. I. MARKELOV (Moscow)--"Devices for Preliminary Processing of the Results of Measurements Presented in the Form of

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ACCESSION Nr: AP500677

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Graphic Recordings For Subsequent Introduction of the Information into Universal Digital Computers"; O. M. MOGILEVER and S. S. SOKOLOV (Leningrad)--"On a Method for Reducing Excess Information"; T. V. NIKOLAYEVA (Leningrad)--"A Device for Temporal Discretization of Continuous Signals"; A. A. LYOVIN and M. L. BULIS (Moscow)--"Optimization of the Transmission of Telemetric Information as a Means for Raising the Efficiency and Eliminating Interference"; D. E. GUKOVSKIY (Moscow)--"On a Statistical Approach to the Detection of Events in Automatic Inspection"; M. I. LANIN (Leningrad)--"Method for Calculating the Holding Time of Communications in a Centralized Inspection System or Constant Servicing Time"; O. N. BRONSHTEYN, A. L. RAYKIN and V. V. RYKOV (Moscow)--"On a Single-Line Mass Service System with Losses"; V. M. SHLYANDIN (Penza)--report on circuit designs for direct compensation electrical digital measuring instruments; A. N. KOMOV (Novocherkassk)--report on a new method for compensation of digital bridges; M. N. GLAZOV (Leningrad)--report on the problem of voltage-to-angular rotation conversion; V. S. GUTNIKOV (Leningrad)--"Methods for Construction of Frequency Capacitance Pickups with a Linear Scale"; R. Ya. SYROPYATOVA and R. R. KHARCHENKO (Moscow)--report on the determination of the amplitude-frequency and phase characteristics of PFM and PWM modulators; Ye. I. TENYAKOV (Novocherkassk)--"The Phototransistor as a Switch for Electrical Measurement Purposes"; N. V. MALYGINA (Leningrad)--a report on ways for making universal equipment for measurement of current, voltage and power; P. P. ORNATSKIY and V. I. ZOZULYA (Kiev)--reports on the construction of static voltmeters, wattmeters and

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ACCESSION NR: AP5001677

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phase meters; A. V. TRIKHANOV, I. G. SMYSHLYAYEV, N. I. SABLIN, V. M. RAZIN and V. A. GORBUNOV (Tomsk)--report on a device for automatic processing of the measurements of vibration amplitude of pneumatic hammers; L. K. RUKINA and V. G. KNORRING (Leningrad)--report on the development of a digital compensator for measuring pressure, force, etc.; N. B. DADUKINA (Leningrad)--report on a method for constructing frequency pickups for gas analysis; Ye. M. KARPOV, V. A. BRAZHNIKOV and B. Ya. LIKHITSINDER (Kuybyshev)--reports on analysis and recording of boring speeds; Yu. V. PSHENICHNIKOV (Kuybyshev)--"A High Speed Voltage-to-Digital Code Converter for ac Pickups"; G. P. VIKHROV and V. K. ISAYEV (Vilna)--"A Highly Accurate Digital Peak-to-Peak Voltmeter"; and S. M. PERSIN (Leningrad)--"A Low Level Analog-Digital Voltage Converter."

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: EE, EC

NO REF SOV: 000

OTHER: 000

JPRS

mc
Card 4/4

SIROSHIAN, R.I. [Siroshian, R.I.]; ORSA, V.I.; SHCHERBAK, N.F.
[Shcherbak, M.F.]

Analysis of the composition of coexisting biotites and
hornblendes in the rocks of the Ukrainian Shield. Geol.
zhur. 25 no.3:3-17 '65. (MIPA 18:11)

1. Institut geologicheskikh nauk AN UkrSSR.

Country : USSR
Category : Cultivated Plants. Potatoes. Vegetables. Melons. H
Abs Jour : RZhBiol., No 6, 1959, No 24882
Author : Syrotin, M. F.
Inst : -
Title : Mixed Sowings of Vegetable Cultures.
Orig Pub : Buyl. sil's'kogospod inform. Kharkivs'ke obl.
vid. t=ve dlya poshir. polit. i nauk. shan',
1958, vyp. 8, 13-15
Abstract : No abstract.

Card : 1/1

Country : USSR
 Category : Human and Animal Physiology, Blood
 Abs. Jour. : Ref Zhur - Biologiya, No. 2, 1959, No. 7898
 Author : Syrotina, M. F.
 Title : The Nature of the Changes in the Composition of the Peripheral Blood After Unconditioned Feeding Stimulation.
 Orig Pub. : Fiziol. zh., 1957, 3, No. 6, 77--82
 Summary : Observations were made on 25 rats which received 1.5 gm of bread after fasting for 16--17 hours. In the majority of the animals, five minutes after feeding the number of leukocytes fell by an average of 13% and continued to fall during the following 30 minutes. Two hours after feeding, leukocytosis (a 50% increase) was observed, chiefly involving the neutrophils. At six hours the leukocyte count fell again, but not down to its initial level. The change in the red cell picture was not pronounced; only a slight increase in the number of reticulo-

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Country : USSR T
 Category : Human and Animal Physiology, Blood
 Res. Jour. : Ref Zhur - Biologiya, No. 2, 1959, No. 7898
 Author :
 Institut. :
 Title :

Orig. Pub. :

Abstract : cytes was noted two hours after feeding. Analogous results were obtained in experiments on seven dogs after they were fed meat (200--250 gm): five minutes later a decrease in the leukocyte count was seen, and after two hours there was a neutrophilic leukocytosis. Normalization of the morphological composition of the peripheral blood occurred after six hours.

Card: 2/2

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S/194/61/000/011/047/070
D271/D302

AUTHOR: Syrotina, M.F.

TITLE: The influence of ultrasonic vibrations on the morphology and protein constituents of blood

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 11, 1961, 10, abstract 11 E65 (Fiziol. zh., v. 7, 1961, no. 2, 271-276)

TEXT: The study has shown that when the stomach and the region of the liver of animals were subjected, during 10 days, to 800 kc/s vibrations with an intensity of 0.5 W/cm^2 , changes were induced in the morphology and protein constituents of blood: the number of erythrocytes was lowered, in some cases the percentage of haemoglobin was lowered, reduced albumin - globulin ratio was observed. 2 tables. 13 references. [Abstracter's note: Complete translation]

X

Card 1/1

SYROTININ, N.N. [Syrotynin, M.M.]

Elbrus expedition of 1963 of the Physiological Institute at the A.A.
Bogomolets' Academy of Sciences of the Ukraine S.S.R. Fiziol. zhur.
[Ukr.] 10 no.3:416-418 My-Je '64. (MIRA 18:9)

1. Institut fiziologii im. Bogomol'tsa AN UkrSSR, Kiyev.

L 14555-66

ACC NR: AP5014835

SOURCE CODE: UR/0238/65/011/003/0283/0288

AUTHOR: Syrotynin, M. M.

ORG: Institute of Physiology im. O. O. Bohomol'yets, Academy of Sciences, UkrSSR, Kiev (Instytut fiziolo iji im. Bohomol'tsya Akademiyi nauk URSR)

TITLE: Acclimatization to high altitudes [paper presented at the 10th All-Union Congress of the Physiological Society im. I. P. Pavlov, Yerevan, 1964]

SOURCE: Fiziologichnyy zhurnal, v. 11, no. 3, 1965, 283-288

TOPIC TAGS: hypoxia, hemoglobin, BLOOD

ABSTRACT: The literature on human adaptation to high altitudes is surveyed. The author presents his findings on high altitude sickness, based on investigations conducted in the Pamirs, the Tien Shan, and the Caucasus. Preconditioning of mountain climbers in pressure chambers generally does little to prevent hypoxia. Swift ascent produces a rapid rise in erythrocytes and hemoglobin content. While gradual ascent (with 5-7 day stops at altitudes of 2000, 3000, 3400, 4700, and 4200 meters) results in a less pronounced rise in erythrocytes and hemoglobin content, the increase persists longer after the descent.

SUB CODE: 06/ SUBM DATE: 01Mar65/ ORIG REF: 029/ OTH REF: 005

Card 1/1

SYROV, A. A.

Deshifrirovaniye aerofotosnimkov v artillerii. Moskva, Voen.
izd-vo, 1948. 215 p., illus.

Bibliography: P.214.

Title tr.: Deciphering of aerial photographs in the artillery.

UG470.S9

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of
Congress, 1955.

SYROV, A.A.; KOLESNIKOV, G.M., inzh.-polkovnik, red.; KONOVALOVA, Ye.K.,
tekhn. red.

[Ground photography] Nazemnoe fotografirovanie. Izd.2. Mo-
skva, Voen.izd-vo M-va vooruzhennykh sil SSSR, 1949. 366 p.
(MIRA 15:4)

(Photography, Military)

SYROV, A.A.; KOLESNIKOV, G.M., inzhener-polkovnik, redaktor; STREL'-
NIKOVA, M.A., tekhnicheskiiy redaktor.

[Ground photography] Nazemnoe fotografirovanie. Izd. 3-e, ispr.
i dop. Moskva, Voen. izd-vo Voennogo Ministerstva SSSR, 1952. 390 p.
[Microfilm] (MIRA 8:1)
(Photography)

SYROV, A.

Photography, Medical

Unusual photograph. Tekh.molod. 20 no. 8, 1952

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

SYROV, A., Lt Col,

SYROV, A.-Candidate of Technical Sciences

Author of article, "The Use of Artillery Photopanoramas at Observation
Points,"

(Voennoy Vestnik, No 17, Dec 53)

SO: SUM 152, 25 June 1954

SYROV, H. H.

PHASE X

TREASURE ISLAND BIBLIOGRAPHICAL REPORT

AID 705 - X

BOOK

Call No.: AF647765

Author: SYROV, A. A.

Full Title: THE PATH OF A PHOTOGRAPHIC CAMERA (FROM THE HISTORY
OF RUSSIAN PHOTOGRAPHIC CAMERA CONSTRUCTION)

Transliterated Title: Put' fotoapparata (Iz istorii otechestvennogo
fotoapparatostroyeniya)

PUBLISHING DATA

Originating Agency: None

Publishing House: State Publishing House "Iskusstvo"

Date: 1954

No. pp: 144

No. of copies: 25,000

Editorial Staff

Appreciation is expressed to Chernyy, I. A., Laureate of the
Stalin Prize, Kand. Tech. Sci., and to Morozov, S. A. for
their valuable comments and assistance.

PURPOSE AND EVALUATION: The purpose of this book is to show the
achievements of Russian invention in the field of photography
and photographic cameras. This popular presentation reviews the
development of photographic technology in Russia starting with
the pre-Revolutionary period and going through the Soviet regime.
Many cameras and lenses of Soviet make (up to 1940) are briefly
described, and sketchy diagrams and some data given. The basic

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AID 705 - X

Put' fotoapparata (Iz istorii otechestvennogo fotoapparatostroyeniya)

conceptions of those cameras, judging from the diagrams, do not seem to present original ideas.

TEXT DATA

Coverage: This book outlines the history of Russian inventions in the field of photography and photo-camera production based on various sources found in the Russian State Archives and in various libraries. This survey is limited to the Russian contribution in the field of the theory, design and production of photographic apparatus and does not include the history of non-Russian contributions. The present book is a continuation of the work of the same author entitled: First Russian Photo-Cameras (Pervyye rasskiye fotoapparaty) Goskinizdat. 1951.

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Put' fotoapparata (Iz istorii otechestvennogo fotoapparatostroyeniya)

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Soviet Photographic Cameras

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Put' fotoapparata (Iz istorii otechestvennogo fotoapparatostroyeniya)

9. Camera for Special Medical Purposes	136
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No. of References: Russian 20 (1896-1953)

Facilities: Many names of Russian scientists are mentioned, as well as some institutions like: GOI (State Optical Institute); LENZOS (Leningrad Plant for Optical Glasses); NIKFI (Scientific Research Cinema and Photography Institute); TOMP (Trust of the Optical-Mechanical Industry); IZOS (Izyum Glass-Manufacturing Plant in Moscow); GOMZ (State Optical-Mechanical Plant); EPTE (Fototrud Factory of Fototrud); Institute of Aerial Photography in Leningrad; VOOMP (All-Union Trust of the Optical-Mechanical Industry); UIMS (Ukrainian Scientific Research Institute of Metrology in Khar'kov).

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SYROV, A.A.

Author of letter to editors, "Concerning One Inexactness," in which he denies being the one who built the first Soviet night aerial camera, for which he was credited in the book, Nazemnaya fotografirovaniye Terrestrial Photography by A.A. SYROV. SAFRONOV stated that his activity in the field of night aerial photography began after the first night aerial camera was in the production stage, and that this camera was the result of the work of the following persons: Col. N.I. SHAUROV*, who suggested the idea; Engr-Col G.A. ISTOMIN*, who prepared the first working model and designers A.V. AL'SHEVSKIY and Ye S. BORISEVICH, who worked out the first production model of the camera. (Krasnaya Zvezda, Moscow, 7 Jul 54)

SO: SUM No 239, 13 Oct 1954

SYROV, A.A.; CHERNOV, V.P., mayor, redaktor; SLEPTSOVA, Ye.N., tekhnicheskiiy
redaktor

[Land photography] Nazemnoe fotografirovanie. Izd. 4-oe, ispr. i
dop. Moskva, Voen.izd-vo Ministerstva obor. SSSR, 1956. 470 p.
[Microfilm] (MIRA 10:2)
(Photography)

SYROV, A.

Light filter and lens hood for the "Smena" camera. Sov. foto 17
no.9:54-55 S '57. (MLRA 10:9)

(Cameras--Equipment and supplies)

SYROV, A.

Inventor I.V. Boldyrev. Sov. foto 19 no.4:80-81 Ap. '59.

(MIRA 12:5)

(Boldyrev, Ivan Vasil'evich)

KUDRYAVTSEVA, T.; SYROV, A.

D.I. Mendeleev and photography. Sov.foto 19 no.11:63-64 II '59.
(MIRA 13:4)

(Mendeleev, Dmitrii Ivanovich, 1834-1907)
(Photography)

SYROV, A.A.

From the history of stereoscopic photography. Sov.foto 21
no.8:30-31 Ag '61. (MIRA 14:8)
(Photography, Stereoscopic)

SYROV, A.T.

Efficient construction of automobile roads in petroleum
and gas districts of Tyumen' Province. Stroi.truboprov.
10 no.10:4-5 0 '65.

(MIRA 18:10)

1. Vostokgiprogaz, Saratov.

BORZUNOV, Leonid Vasil'yevich; BOLOGA, Mirchya Kirillovich;
KOROTUN, Vasil'y Nikitovich; SYROV, B.G., red.;
SHCHEGLOV, Yu.A., red.

[Energy characteristics of the solar regime of Moldavia]
Energeticheskie kharakteristiki solnechnogo rezhima
Moldavii. Kishinev, Izd-vo "Shtiintsa," 1962. 42 p.
(MIRA 18:5)

BOLOGA, Mircha Kirillovich; BORZUNOV, L.V., red.; SYROV, B.G.,
red.; POLONSKIY, S.A., tekhn. red.

[Solar energy and its use] Solnechnaia energiya i ee ispol'-
zovanie. Pod red. L.V.Borzunova. Kishinev, Izd-vo "Shtiintsa"
AN Moldavskoi SSR, 1962. 68 p. (MIRA 16:7)
(Solar energy)

ABLOV, A.V., akademik, doktor khim. nauk, otv. red.; SYROV, B.G.,
red.; POLONSKIY, S.A., tekhn. red.

[Conference on the Use of Physical Methods of Analysis in
the Study of Complex Compounds; abstracts of reports] Te-
zisy dokladov Soveshchaniia po primeneniyu fizicheskikh meto-
dov k issledovaniyu kompleksnykh soedinenii, 1962. Kishinev,
Izd-vo "Shtiintsa," 1962. 75 p. (MIRA 16:6)

1. Soveshchaniye po primeneniyu fizicheskikh metodov i is-
sledovaniyu kompleksnykh soyedineniy, 1962. 2. Akademiya nauk
Moldavskoy SSR, Institut khimii, Kishinev (for Ablov).
(Complex compounds) (Instrumental analysis)

AUTHOR: Syrov, G.V. SOV-91-58-11-16/20

TITLE: The Work of Permanently Active Conferences on Production (O rabote postoyanno deystvuyushchikh proizvodstvennykh soveshchaniy)

PERIODICAL: Energetik, 1958, Nr 11, pp 35 - 36 (USSR)

ABSTRACT: The December Plenum of the Central Committee of the Communist Party of the Soviet Union indicated that it was necessary to make the production conferences at industrial concerns permanently active. A description of how this system has worked out in practice, and examples of helpful suggestions which have been made at the conferences are given.

Card 1/1

1. Industrial plants--USSR

SYROV, V.

Rights and duties of public inspectors. Obshchestv.pit.
no.10:42-43 0 '62. (MIRA 15:11)

1. Zaveduyushchiy sektorom trgovli i obshchestvennogo pitaniya
zhilishchno-bytovogo otdela Vsesoyuznogo tsentral'nogo soveta
professional'nykh soyuzov.
(Food adulteration and inspection)

SYROV, V.S.

Bioelectric phenomena in a developing fish embryo and their relation to the temperature of the environment. Nauch.dokl.vys.shkoly; biol. nauki no.1:78-81 '58 (MIRA 11:8)

1. Predstavlena kafedroy fiziologii zhivotnykh Moskovskogo tekhnicheskogo instituta rybnoy promyshlennosti i khozyaystva im. A.I. Mikoyana.

(ELECTROPHYSIOLOGY)

(EMBRYOLOGY--FISHES)

(TEMPERATURE--PHYSIOLOGICAL EFFECT)

SYROV, Venedikt Grigor'yevich; MYAGKOV, M.M., red.; GOLICHENKOVA, A.A.,
tekhn. red.

[Public control over the operations of trade organizations] Ob-
shchestvennyi kontrol' za deiatel'nost'iu trgovykh organizatsii.
Moskva, Profizdat, 1961. 75 p. (Bibliotekha profsoiuznogo ak-
tivista, no.2) (MIRA 16:3)
(Russia--Commerce) (Auditing and inspection)

SYROV, Venedikt Grigor'yevich; NILOV, Grigoriy Nilovich; ORKIN,
Grigoriy Aleksandrovich; KUZNETSOVA, N.I., red.; ZAYTSEVA,
L.A., tekhn. red.

[A volunteer controller's manual; commerce, public dining]
Spravochnik obshchestvennogo kontrolera; trgovlia, obshche-
stvennoe pitanie. Moskva, Profizdat, 1963. 238 p.
(MIRA 16:6)

(Retail trade--Auditing and inspection)
(Restaurants, lunchrooms, etc.--Auditing and inspection)

MALITSKIY, S.M., inzhener; SYROV, Ye., inzhener

"Cement concrete pavement for city streets." Reviewed by S. Malitskii, E. Syrov. Zhil.-kom. khoz. 5 no.4:29 '55. (MIRA 8:9)
(Pavements, Concrete) (Aksel'rod, L.S.)

SABIROV, Kh.Sh.; PETRIK, A.P.; GABBASOV, G.Kh.; SYROV, Ye.Kh.

Residual water saturation of carbonate rocks in the oil and gas fields of reef origin in the Cis-Ural Trough. Nefteprom. delo no.11:3-4 '64. (MIRA 18:3)

1. TSekh nauchno-issledovatel'skikh i proizvodstvennykh rabot neftepromyslovogo upravleniya "Ishimbayneft".

SYROV, YU.P.

Translation from: Referativnyy Zhurnal, Elektrotehnika, Nr.1, 1957, p.56 112-1-337

AUTHOR: Syrov Yu.P.

TITLE: Graphic and analytical method of determining energy losses at hydroelectric power stations with a daily regulation system (Grafoanaliticheskiy metod opredeleniya poter' energii pri sutochnom regulirovanii na gidroelektrostantsiakh)

PERIODICAL: Tr. in-ta energetiki AN BSSR, 1955, issue 2, pp 87-95 (BSSR)

ABSTRACT: According to the proposed method, energy losses are determined separately in the head race and in the tail race. A.M. Morozov's method is used for the approximate calculation of the unsteady flow in the tail race. A graphic method for the determination of losses in the tail race is presented (it includes the use of the tailrace discharge chart and mass-flow curve of the hydroelectric power station), and also a method for determining losses in the head race (with the use of discharge chart, reservoir elevation capacity curve and of the radial reservoir yield gage). The total energy losses of a hydroelectric power

Card 1/2

SYROV Yu. P. 112-3-5391D
Translation from: Referativnyy Zhurnal, Elektrotehnika, 1957,
Nr 3, p. 47 (USSR)

AUTHOR: Syrov, Yu. P.

TITLE: Power Engineering Problems in Daily Control of Low-
Head Spillway Dam Hydroelectric Plants (Voprosy
energetiki sutochnogo regulirovaniya nizkonapornykh
priplotinnykh gidroelektrostantsiy)

ABSTRACT: Bibliographic entry on the author's dissertation for
the Degree of Candidate of Technical Sciences, pre-
sented to the Belorussian Polytechnical Institute
(Belorus. politekhn. in-t), Minsk, 1956.

ASSOCIATION: Belorussian Polytechnical Institute (Belorus.
politekhn. in-t)

Card 1/1

SYROV, Yu.P., kand.tekhn.nauk

Operating conditions of small hydroelectric power stations in
power systems. Trudy Inst.energ.AN BSSR no.3:55-61 '57.
(MIRA 12:1)

(Hydroelectric power stations)

8(6)

SOV/112-59-3-4662

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 3, p 53 (USSR)

AUTHOR: Syrov, Yu. P., and Kovalenko, E. P.

TITLE: Transients in the Pools of Small Hydroelectric Generating Stations
(Neustanovivshiyesya rezhimy v b'yefakh malykh gidroelektrostantsiy)

PERIODICAL: Tr. In-ta energ. AN BSSR, 1957, Nr 3, pp 148-164

ABSTRACT: Actual observation records of daily water conditions at two small hydroelectric stations are reported: a 240-kw Novoselki station on the Melchad' River and a 2,250-kw Osipovich station on the Svisloch' River. The observations have been made with these objectives in view: (1) nature of upstream and downstream transients; (2) nature of release-wave propagation in the rivers. It is noted that the velocity of propagation of a disturbance in the lower stream depends on the stream depth, this dependence being different for positive and negative waves. A vast amount of graphic and tabulated observation material is supplied. Bibliography: 2 items.

Yu. M. S.

Card 1/1

SOV/143-59-1-16/17

8(6)

AUTHOR: Syrov, Yu.P., Candidate of Technical Sciences

TITLE: On Plotting the Characteristics of Relative Gains of Water Power Stations (K postroyeniyu kharakteristik ot-nositel'nykh prirostov gidroelektrostantsiy)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy - Energetika, 1959, Nr 1, pp 123-128 (USSR)

ABSTRACT: At present, the following relative gain characteristics of power stations are used to ensure the best possible distribution of load in power systems:

$b = f(N \text{ tps}), \quad q = f(N \text{ wps}),$

where $b = \frac{dB}{dN}$ (for thermal power stations)

$q = \frac{dQ}{dN}$ (for water power stations)

B = fuel consumption, Q = water consumption, N = power.

Card 1/3

The characteristics of relative gains for water power stations can be plotted (1) for constant marks of the

SOV/143-59-1-16/17
On Plotting the Characteristics of Relative Gains of Water Power Stations

upper water level ($Z_{ul} = \text{const}$) and (ε) for constant heads ($H_{aggr} = \text{const}$). However, the results obtained by these two methods are different, and the author shows that the second method for the determination of relative gains is inaccurate. Investigating the relations between the values Q , N , H and η (η stands for efficiency), he arrives at the formula

$$q = \frac{dQ}{dN} = \frac{1}{9.81 \cdot H \eta} - \frac{N}{9.81 \cdot H^2 \eta} \frac{dH}{dN} - \frac{N}{9.81 \cdot H \eta^2} \frac{d\eta}{dN}$$

and finds that the method in question neglects the derivative $\frac{dH}{dN}$. Then he goes on to propose a plotting method

taking into consideration all terms of the formula. There are 6 diagrams and 1 Soviet reference.

Card 2/3

SYROV, Yu.P.

Most advantageous operating cycle for a series of hydroelectric power stations in a power system. Dokl. AN BSSR 3 no.3:103-107
Mr '59. (MIRA 12:8)

1. Predstavleno akademikom AN BSSR A.V. Lykovym.
(Hydroelectric power stations)

SYROV, Yu.P.

Optimal operating conditions within a single system for a cascade of hydroelectric power stations with reservoirs under long-term regulation. Izv. Sib. otd. AN SSSR no.7:26-34 '59.

(MIRA 12:12)

1. Transportno-energeticheskiy institut Sibirskogo otdeleniya AN SSSR.

(Hydroelectric power stations)

SYROV, Yu.P.; KOVALENKO, E.P.

Operating conditions of the Lukoml'-Selyava Hydroelectric
Power System. Trudy Inst.energ. AN BSSR no.10:157-171
'59. (MIRA 13:6)

(White Russia—Hydraulic power stations)

MELENT'YEV, L.A., otv. red.; SYROV, Yu.P., kand. tekhn. nauk;
BUSHUYEVA, V.M., red.; VYALYKH, A.M., tekhn. red.

[Features of the choice of certain parameters and modes of operation of hydroelectric power stations in the electric power systems of Siberia] Osobennosti vybora nekotorykh parametrov i rezhimov raboty GES v energeticheskikh sistemakh Sibiri. Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1962. 135 p. (Its: Trudy) (MIRA 16:6)

1. Akademiya nauk SSSR. Sibirskoye otdeleniye. Energeticheskyy institut. 2. Chlen-korrespondent AN SSSR (for Melent'yev), (Siberia--Hydroelectric power stations)

KARPOV, V.G. (Irkutsk); LEVENTAL', G.B. (Irkutsk); SYROV, Yu.P. (Irkutsk)

Mathematical models of a power system for choosing its optimum
structure and modes of operation. Izv. AN SSSR. Energ. i transp.
no.4:417-433 J1-Ag '63. (MIRA 16:11)

KRUMM, L.A., kand.tekhn.nauk; SYROV, Yu.P., kand.tekhn.nauk

Use of the gradient method in optimizing the operating modes
of interconnected power systems containing hydroelectric power
stations. Elektrichestvo no.4:20-26 Ap '64. (MIRA 17:4)

1. Sibirskiy energeticheskiy institut Sibirskogo otdeleniya AN
SSSR.

KUZNETSOV, Yu.A.; MAKAROV, A.A.; MELENT'YEV, L.A.; MERENKOV, A.P.; NEKRASOV, A.S.; TSVETKOV, N.I.; KUZNETSOV, Yu.A.; MAKAROVA, A.S.; KARPOV, V.G.; MANSUROV, Yu.V.; SYROV, Yu.P.; KHRILEV, L.S.; TSVETKOVA, L.A.; VOYTSEKHOVSKAYA, G.V.; YEFIMOV, N.T.; LEVENTAL', G.B.; KHANAYEV, V.A.; BELYAYEV, L.S.; GAMM, A.Z.; KARTELEV, B.G.; KRUMM, L.A.; LIOPO, T.N.; SVIRKUNOV, N.N.; DRUZHININ, I.P.; KONOVALENKO, Z.P.; KHAM'YANOVA, N.V.; SHVARTSBERG, A.I.; NIKONOV, A.P.; STARIKOV, L.A.; POPYRIN, L.S.; PSHENICHNOV, N.N.; TROSHINA, G.M.; CHEL'TSOV, M.B.; SVETLOV, K.S.; SUMAROKOV, S.V.; TAKAYSHVILI, M.K.; TOIMACHEVA, N.I.; KHASILEV, V.Ya.; KOSHELEV, A.A.; KUDINOVA, L.I., red.

[Methods for using electronic computers in the optimization of power engineering calculations] Metody primeneniia elektronno-vychislitel'nykh mashin pri optimizatsii energeticheskikh raschetov. Moskva, Nauka, 1964. 318 p.

(MIRA 17:11)

1. Akademiya nauk SSSR. Sibirskoye otdeleniye. Energeticheskii institut. 2. Chlen-korrespondent AN SSSR (for Melent'yev).

MELENT'YEV, L.A. (Irkutsk); SYROV, Yu.P. (Irkutsk)

Method for optimizing power system development using mathematical
models. Izv. AN SSSR. Energ. i transp. no.5:531-542 S-0 '64.
(MIRA 17:12)

L 24079-66 EMT(1)

ACC NR: AP6014965

SOURCE CODE: UR/0281/65/000/001/0003/0017

AUTHOR: Krumm, L. A. (Irkutsk); Syrov, Yu. P. (Irkutsk)

29
B

ORG: none

TITLE: Methods of complex optimization of daily and long term operation conditions of combined power systems including hydroelectric stations

SOURCE: AN SSSR. Izvestiya. Energetika i transport, no. 1, 1965, 3-17

TOPIC TAGS: hydroelectric power plant, dynamic programming

ABSTRACT: The article includes a brief survey of literature on methods of optimization of operating conditions for combined power systems containing hydroelectric stations. The necessity of further study in the area of complex optimization of the daily and long-term operating conditions of such systems is shown. The gradient method and the gradient method combined with the group relaxation method and the principle of dynamic programming are used as a basis in the analysis of methods of optimization of the daily operating regimes of such systems and their sections. Orig. art. has: 6 formulas. [JPRS]

SUB CODE: 10 / SUBM DATE: 29Jul64 / ORIG REF: 022 / OTH REF: 005

Card

1/1

pla

UDC: 621.311.1.003

2

KRUMM, L.A. (Irkutsk); SYROV, Yu.P. (Irkutsk)

Method for overall optimization of daily and long-term modes
of operation of unified power systems with hydroelectric power
stations. Part 2. Izv. AN SSSR. Energ. i transp. no.2:32-42
Mr-Apr '65. (MIRA 18:6)

RUDENKO, Yu.N., kand. tekhn. nauk; SYROV, Yu.P., kand. tekhn. nauk;
CHEL'ISOV, M.P., inzh.

Discussion of I.A. Syzematnikov's article "Principal trends in
the development of elastate power distribution networks." Izv.
vys. ucheb. zav.; energ. 8 no.11:109-112 N '65.
(MIRA 18:11)

1. Sibirskiy energeticheskiy institut Sibirskogo otdeleniya
AN SSSR.

IMAYEV, M.G.; FASKHUTDINOVA, R.A.; Prinimali uchastiye: KHALILOV, V.R.,
student; SYROVA, A.A., studentka

Synthesis of mixed trialkyl thiophosphates and alkylary/ phosphites.
Zhur.ob.khim. 31 no.9:2934-2937 S '61. (MIRA 14:9)

1. Ufimskiy neftyanoy institut.
(Phosphothioic acid) (Phosphorous acid)

L 13292-66 EWT(m)/EWP(j) RM
ACC NR: AP6000325 (A)

SOURCE CODE: UR/0286/65/000/021/0012/0012

INVENTOR: Volkova, L. I.; Zaitova, A. Ya.; Ioakimis, A. A.; Mochal'nikova, T. P.;
Nazarova, L. Yu.; Nazarov, V. I.; Pryakhina, M. S.; Petrov, V. N.; Rachkovskiy, E.
E.; Savel'yev, A. P.; Syrova, A. A.; Tikhonovskaya, S. G.

32
B

ORG: none

TITLE: A method for producing normal butanol by synthesis from ethyl alcohol.
Class 12, No. 175929 [announced by the Bashkir Scientific Research Institute for
Petroleum Refining (Bashkirskiy nauchno-issledovatel'skiy institut po pererabotke
nefti)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 21, 1965, 12

TOPIC TAGS: catalysis, butanol, ethyl alcohol

ABSTRACT: This Author's Certificate introduces: 1. A method for producing normal butanol by synthesis from ethyl alcohol on a catalyst. The process is done in a single stage by using a catalyst consisting of aluminum oxide, magnesium oxide, silicon oxide and a salt or oxide of an alkali metal. 2. A modification of this

Card 1/2

UDC: 66.097.3 : 547.264.07

L 13292-66

ACC NR: AP6000325

method in which the catalyst contains from 5 to 80 % aluminum oxide, from 95 to 10 % magnesium oxide, from 0 to 50 % silicon oxide and from 0 to 5 % of a salt or oxide of an alkali metal.

SUB CODE: 07/ SUBM DATE: 11Apr63/ ORIG REF: 000/ OTH REF: 000

jw
Card 2/2

SYROVA, B.

1. ~~Walter Isaacson~~ ~~Director of the~~ ~~Department of Justice~~ ~~Washington, D. C.~~
 2. ~~John Edgar Hoover~~ ~~Director of the~~ ~~Federal Bureau of Investigation~~ ~~Washington, D. C.~~
 3. ~~James C. McHugh~~ ~~Director of the~~ ~~Department of Justice~~ ~~Washington, D. C.~~
 4. ~~William C. Sullivan~~ ~~Director of the~~ ~~Department of Justice~~ ~~Washington, D. C.~~
 5. ~~John F. Connelley~~ ~~Director of the~~ ~~Department of Justice~~ ~~Washington, D. C.~~
 6. ~~John F. Connelley~~ ~~Director of the~~ ~~Department of Justice~~ ~~Washington, D. C.~~
 7. ~~John F. Connelley~~ ~~Director of the~~ ~~Department of Justice~~ ~~Washington, D. C.~~
 8. ~~John F. Connelley~~ ~~Director of the~~ ~~Department of Justice~~ ~~Washington, D. C.~~
 9. ~~John F. Connelley~~ ~~Director of the~~ ~~Department of Justice~~ ~~Washington, D. C.~~
 10. ~~John F. Connelley~~ ~~Director of the~~ ~~Department of Justice~~ ~~Washington, D. C.~~
 11. ~~John F. Connelley~~ ~~Director of the~~ ~~Department of Justice~~ ~~Washington, D. C.~~
 12. ~~John F. Connelley~~ ~~Director of the~~ ~~Department of Justice~~ ~~Washington, D. C.~~
 13. ~~John F. Connelley~~ ~~Director of the~~ ~~Department of Justice~~ ~~Washington, D. C.~~
 14. ~~John F. Connelley~~ ~~Director of the~~ ~~Department of Justice~~ ~~Washington, D. C.~~
 15. ~~John F. Connelley~~ ~~Director of the~~ ~~Department of Justice~~ ~~Washington, D. C.~~
 16. ~~John F. Connelley~~ ~~Director of the~~ ~~Department of Justice~~ ~~Washington, D. C.~~
 17. ~~John F. Connelley~~ ~~Director of the~~ ~~Department of Justice~~ ~~Washington, D. C.~~
 18. ~~John F. Connelley~~ ~~Director of the~~ ~~Department of Justice~~ ~~Washington, D. C.~~
 19. ~~John F. Connelley~~ ~~Director of the~~ ~~Department of Justice~~ ~~Washington, D. C.~~
 20. ~~John F. Connelley~~ ~~Director of the~~ ~~Department of Justice~~ ~~Washington, D. C.~~

2

57/10/44
ZELENKA, J.; SYROVA, E.; SYROVY, J.

Care of premature infants with very low birth weights; clinical studies. Cas. lek. cesk. 96 no.24-25:781-785 21 June 57.

1. Krajske oddeleni pro nedonosene deti pri OUMZ Cheb, prednosta prim. MUDr. J. Zelenka. J.Z. Cheb, Brandlova 15.

(INFANT, PREMATURE

care of inf. with very low birth weights, statist.
(Cz))

MELICHAR, V.; ZELENKA, J.; SYROVA, E.

On care, growth and further development of premature infants weighing at birth 1000 g or less. Cesk. pediat. 16 no.10:890-897 0 '61.

1. Ustav pro peci o matku a dite v Praze-Podoli, reditel doc. MUDr. Miroslav Vojta, vedouci pediatrickeho sektoru primar MUDr. Karel Polacek Krajske odd. pro nedonosene deti pri OUNZ v Chebu, primar MUDr. J. Zelenka.

(INFANT PREMATURE)

KHAYRUTDINOV, R.M., inzh.; MOROZOV, A.N., doktor tekhn. nauk, prof.,
rukovoditel' raboty; 'Prinimali uchastiye: GALYAN, V.S.; BORNOVALOV,
M.A.; KOLOYARTSEV, V.L.; GALYAN, R.V.; SYROVA, G.I.; KORNEYEV, V.F.

Decarburizing the bath of a large electric furnace. Stal' 23
no.10:911-914 0 '63. (MIRA 16:11)

1. Chelyabinskiy nauchno-issledovatel'skiy institut metallurgii.

MATRKA, M.; SYROVA, M.

N, N-dimethyl-4-aminodiphenyl as a new redox indicator. Coll
Cz Chem 28 no. 12:3446-3449 D '63.

1. Forschungsinstitut fur organische Synthesen, Pardubice-
Rybitvi.

MIKHAYLOV, I.G.; SAVINA, L.I.; SOLOV'YEV, V.A.; SYROVA, M.N.

Absorption of ultrasonic waves in thiokols. Akust. zhur. 9 no.4:
460-465 '63. (MIRA 17:3)

1. Leningradskiy gosudarstvennyy universitet.

L 09128-67 EWT(m)/EWP(t)/ETI IJP(c) JD/HW

ACC NR: AP6032617

SOURCE CODE: UR/0126/66/022/003/0380/0391

AUTHOR: Kirenskiy, L. V.; Pyn'ko, V. G.; Sukhanova, R. V.; Sivkov, N. I.; Pyn'ko, G. P.; Edel'man, I. S.; Komalov, A. S.; Kan, S. V.; Syrova, N. I.; Zvegintsev, A. G.

ORG: Institute of Physics SO AN SSSR (Institut fiziki SO AN SSSR); Krasnoyarsk Pedagogical Institute (Krasnoyarskiy pedinstitut)

TITLE: Epitaxial films of iron, nickel and cobalt [report presented at the Conference on Physics of Ferro- and Antiferromagnetism, Sverdlovsk, 5-7 July 1965]

SOURCE: Fizika metallov i metallovedeniye, v. 22, no. 3, 1966, 380-391

TOPIC TAGS: magnetic anisotropy, epitaxial growing, hysteresis loop, metal film

ABSTRACT: The authors study the epitaxial growth of iron, nickel and cobalt films thermally vaporized onto ionic crystals split in air and in a vacuum. It is shown that when the substrates are heated in a vacuum of 10^{-4} mm Hg, the surface state is changed with a favorable effect on epitaxy. The phase composition of the film may be controlled by proper selection of the substrate. The fields of anisotropy of the films are measured and the effect which application of a magnetic field during vaporization has on the magnetic anisotropy of the films is studied. The domain structure of the films and its dynamics are analyzed and the results are used as a basis for explaining the shape of hysteresis loops. The coercive force is measured in films of various thickness. It is shown that the coercive force of the films is always much less than the field of anisotropy and is approximately inversely proportional to the saturation magnetization. Orig. art. has: 13 figures, 1 table, 5 formulas.

SUB CODE: 11, 20/ SUBM DATE: 30Jul65/ ORIG REF: 004/ OTH REF: 007

Card 1/1 B&C

UDC: 539.216.25:538.221

SYROVA, V. V.

USSR/Astronomy - Star Clusters

Nov/Dec 52

"Investigation of Color Indexes of Stars Inside
Dispersed Star Clusters," K. A. Barkhatova and
V. V. Syrova, Ural State U

"Astron Zhur" Vol 29, No 6, pp 664-667

Writers consider effect of light absorption on
linear and angular dimensions of diam of clusters
and investigate the connected change of color of
stars. They tabulate all pertinent data of many
clusters. Indebted to Prof Parenago. Submitted
5 Jun 52.

239T75

ROZIN, M.S.; ORLOVA, Ye.V.; PERVUSHNIN, S.A.; ~~SYROVA, Ye. I.~~
BORISEVICH, N.V., redaktor; VASYUTIN, V.F., redaktor; SMIRNOVA,
V.I., redaktor; SEMENOVA, M.V., redaktor; BORISOV, A.S.,
tekhnicheskikh redaktor.

[Mineral resources of the United States] Mineral'nye resursy
Soedinennykh Shtatov Ameriki. Moskva, Gos. izd-vo geol. lit-ry,
1952. 407 p. (Mineral'nye resursy zarubezhnykh stran, no. 20).

(MLRA 9:5)

(United States--Mines and mineral resources)

1. BABUSHKINA, T. A.; EPIFANOV, B. P.; SYROVA-MARKOVA, Yu. I.; SLEIFENDORF, C. M.
2. USSR (600)
4. Iron Ores
7. Report on the work of the first revisory-prospecting party for iron ore. Izv. Glav. upr. geol. fon. no. 2 1947.

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

LABOK, S., vrach; SYROVADKO, O., vrach

Labor hygiene in a chemical plant. Sov. profsoiuzy 20 no.1:48 Ja
'64. (MIRA 17:2)

SYROVADKO, O. N. (Moskva)

Problems of industrial hygiene in the production of silicon
organic compounds. Gig. truda i prof. zab. no.4:22-26 '62.
(MIRA 15:4)

1. Institut gigiyeny truda i profzabolevaniy AMN SSSR.

(INDUSTRIAL HYGIENE) (SILICON ORGANIC COMPOUNDS)

Insurance, Social

Insurance, Social

Financial group of the council of social insurance, V. pom. profaktivu, 13, No. 6, 1952

Monthly List of Russian Accessions, Library of Congress, May 1952, Unclassified.

SYROVAREV, A.

Following the social insurance budget is an important function of
trade unions. Okhr. truda i sots. strakh. no.1:65-68 JI '58.
(MIRA 11:12)

(Insurance, Social)

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